

# Material Safety Data Sheet

# QUACORR<sup>®</sup> 1300 Resin

Quick Identifier

QO<sup>®</sup> QUACORR<sup>®</sup> 1300 Resin

Common Name (used on label and list):

May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910.1200. Standard must be consulted for specific requirements

## Section I

Manufacturer's Name and Address  
Penn Specialty Chemicals, Inc  
3324 Chelsea Avenue  
Memphis, TN 38108

Emergency Telephone Number

**901-320-4092**

For Emergency Medical Information

**Hazard Information Services: 800-228-5635**

For Product Information and Other Calls

**Penn Specialty Chemicals, Inc: 877-895-7366**

**Effective: February 23, 2004**

**Supersedes: July 15, 2003**

## Section II - Hazardous Ingredients/Identity Information

Hazardous Component(s) Chemical & Common Name(s)	OSHA PEL	ACGIH TLV	CAS NO.	%
Furfuryl alcohol homopolymer	Not established	Not established	25212-86-6	90-97%
Furfuryl alcohol	10 ppm (skin)	10 ppm (skin)	98-00-0	3-10%

## Section III - Physical/Chemical Characteristics

<b>Boiling Point</b> Not available	<b>Vapor Density (Air=1)</b> Not available	<b>Specific Gravity (H<sub>2</sub>O = 1)</b> 1.29	<b>Vapor Pressure (mm Hg)</b> less than 1.0 @ 89°F, 32°C
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**Solubility in Water**  
Slight

**Reactivity in Water**  
None

**Appearance and Color**  
Dark reddish brown, viscous liquid  
Mild odor

**Melting Point/Freezing Point**  
Not applicable; liquid

## Section IV - Fire and Explosion Hazard Data

<b>Flash Point</b> >200°F, 93°C	<b>Method Used</b> Pensky-Martens	<b>Flammable Limits in Air, % Volume</b>	<b>LEL Lower</b> Not available	<b>UEL Upper</b> Not available
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**Auto-Ignition temperature**  
Not available

**Extinguisher Media**  
"Alcohol" foam, carbon dioxide, dry chemical

### Special Fire Fighting Procedures

Firefighters should have eye protection and wear self-contained breathing apparatus.  
Use water spray to cool containers exposed to fire.

### Unusual Fire and Explosion Hazards

Acid contamination can cause violent, exothermic polymerization.

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## Section V - Physical Hazards/Reactivity Data

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### Stability

Unstable  
Stable X

### Conditions to Avoid

Normally stable: see warnings below.

### Incompatibility (Materials to Avoid)

Oxidizers. Acids. Contact with acids or bases can cause violent eruptions and/or explosions.

### Hazardous Decomposition Products

Combustion produces carbon dioxide and carbon monoxide.

### Hazardous Polymerization

May Occur X  
Will Not Occur

### Conditions to Avoid

Can occur on mixing with acids or acidic catalysts.

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## Section VI - Health Hazards

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### Chemical Listed as Carcinogen or Potential Carcinogen

#### National Toxicology

Yes  
No X\*

#### IARC Monographs

Yes  
No X

#### OSHA Regulated

Yes  
No X

\* Furfuryl Alcohol NTP Draft Technical Report TR-482 (2-year inhalation studies rats and mice) Some evidence of carcinogenic activity in male rats, nasal neoplasms; equivocal evidence of carcinogenic activity in female rats, nasal and kidney neoplasms. Some evidence of carcinogenic activity in male mice, kidney neoplasms. No evidence of carcinogenic activity in female mice.

### Signs and Symptoms

#### Exposure

Detectable odor.

#### Acute Overexposure

Strong odor. Headache. Irritation of skin, eyes and respiratory tract. Central nervous system depression.

#### Chronic Overexposure

Skin rash. Allergic reaction

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## Emergency and First Aid Procedures for Overexposure - Obtain prompt medical attention.

### Inhalation

Move to fresh air. If necessary, restore and support breathing.

### Eyes

Immediately flush with water for 15 minutes while lifting eyelids and rolling eyes.  
Get immediate medical attention.

### Skin

Wash promptly with soap and water.

### Ingestion

Get medical help. If conscious and medical help not readily available, give water.

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## Section VII - Special Precautions and Spill/Leak Procedures

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### Precautions to be taken in Handling and Storage

Store in a cool, dry, well ventilated location. Outside or detached storage is preferred. Separate from oxidizers, acids, and acidic catalysts.

### Other Precautions

Avoid acid contamination and skin contact. Keep containers tightly closed. No smoking or eating in handling area.

### Steps to be taken in case Material is Released or Spilled

Shut off sources of ignition. Pick up spill on sand, earth or other non-combustible, absorbent material. Flush area with water to remove last traces.

### Waste Disposal Methods (Consult Federal, State and Local Regulations)

Dispose of in accord with regulations.

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## Section VIII - Special Protection and Control Measures

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### Respiratory Protection (Specify Type)

NIOSH approved organic vapor air purifying respirator where TLV exceeded.

Ventilation and local exhaust required; keep below TLV.

### Eye Protection

Chemical goggles and face shield

### Protective Gloves

Neoprene/natural rubber.

### Other Protective Clothing or Equipment

Eye fountain and safety shower

### Work Hygiene Practices

Avoid direct contact with QUACORR® Resin.

### Transport Information

DOT: Not regulated as a hazardous material by DOT 49 CFR.

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## Revision

11/99: Change Company Name

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The data contained herein is based on information currently available to Penn Specialty Chemicals, Inc, and believed to be factual and the opinions expressed to be those of qualified experts; however, this data is not be taken as a warranty or representation for which Penn Specialty Chemicals, Inc assumes legal responsibility.

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